Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**REDOX Practice Quiz**

1. Determine the oxidation number of the elements in each of the following compounds:
   1. H2CO3
   2. N2
   3. NO2-
2. Identify each half reaction as either an **oxidation (O)** or **reduction (R)** reaction.
   1. Na → Na+1
   2. Mg+2 → Mg
   3. Fe → Fe+3
   4. Cl-1 → Cl2
   5. K → K+1
3. Identify the substance being oxidized and reduced in each of the following reactions:
   1. Cr+1 + Sn+4 http://chp090.chemistry.wustl.edu/~coursedev/Online%20tutorials/arrow.gif Cr+3 + Sn+2
   2. 3 Hg+2 + 2 Fe http://chp090.chemistry.wustl.edu/~coursedev/Online%20tutorials/arrow.gif 3 Hg2 + 2 Fe+3
   3. 2 As + 3 Cl2  http://chp090.chemistry.wustl.edu/~coursedev/Online%20tutorials/arrow.gif 2 AsCl3
   4. 2 H2 + O2 🡪 2 H2O
   5. Cu + 4 HNO3 🡪 Cu(NO3)2 + 2 NO2 + 2 H2O